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1 [Client-server computing in mobile environments](#)
[Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid](#)

 June 1999 **Computing Surveys (CSUR)**, Volume 31 Issue 2

Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (233.31 KB)

 Additional Information: [full citation](#), [abstra](#)
Bibliometrics: Downloads (6 Weeks): 57, Downloads (12 Months): 574, Downl

Recent advances in wireless data networking and portable information a paradigm of computing, called mobile computing, in which users carryin and information services ...

Keywords: application adaptation, cache invalidation, caching, client/s operation, mobile applications, mobile client/server, mobile compuing, r system application

2 [Cool-Tether: energy efficient on-the-fly wifi hot-spots using mobile pl](#)
[Ashish Sharma, Vishnu Navda, Ramachandran Ramjee, Venkata N. Padma](#)

 December 2009 **CoNEXT '09: Proceedings of the 5th international conferen and technologies**
Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (1.52 MB)

 Additional Information: [full citation](#), [abstra](#)
Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 89, Downlo

We consider the problem of providing ubiquitous yet affordable Internet work, and on the move. In this context, we take advantage of two signi commoditization of WiFi WLAN technology and ...

Keywords: 3g, energy efficient, mobile phones, tethering, web browsir

3 [URICA: Usage-awaRe Interactive Content Adaptation for mobile dev](#)
[Iqbal Mohamed, Jim Chengming Cai, Eyal de Lara](#)

 April 2006 **EuroSys '06: Proceedings of the 1st ACM SIGOPS/EuroSys Et Systems 2006**
Publisher: ACM

 Full text available: [Pdf](#) (717.27 KB)

 Additional Information: [full citation](#), [abstra](#)
Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 36, Downloa

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Usage-aware Interactive Content Adaptation (URICA) is an automatic technique for content adaptation on mobile devices based on usage semantics. URICA allows users who are not aware of the adaptation decision to take control of the ...

Keywords: content adaptation, customization, learning, mobile devices


Also published in:

October 2006 **SIGOPS Operating Systems Review** Volume 40 Issue 4

4 [MAR: a commuter router infrastructure for the mobile Internet](#)

 [Pablo Rodriguez](#), [Rajiv Chakraborty](#), [Julian Chesterfield](#), [Ian Pratt](#), [Suman Jeyaraman](#)
June 2004 **MobiSys '04: Proceedings of the 2nd international conference on mobile systems, services, and applications**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (422.76 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 116, Downloads (Since Publication): 116


We introduce MAR, a commuter mobile access router infrastructure that provides (channel diversity, network diversity, and technology diversity) to provide improved performance for mobile users. Our system design stems from the following observations:

Keywords: channel diversity, multi-link bandwidth aggregation, wireless LANs

5 [DSMeM Streaming: distributed system to mitigate the effects of performance degradation on IEEE 802.11 WLANs](#)

[Manuel Vilas](#), [Raquel Sanchez](#), [Xabiel G. Pañeda](#), [David Melendi](#), [Roberto G. Cantarero](#)
January 2010 **Wireless Networks**, Volume 16 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  [Pdf](#) (842.98 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 11, Downloads (Since Publication): 11

On *IEEE 802.11* wireless LANs (*WLAN*) the clients have control over the best *AP* (*access point*) to be associated to and when and where to change.

Keywords: Handoff, IEEE 802.11, Mobility, Streaming

6 [802.11 power-saving mode for mobile computing in Wi-Fi hotspots: issues and solutions](#)

[G. Anastasi](#), [M. Conti](#), [E. Gregori](#), [A. Passarella](#)
December 2008 **Wireless Networks**, Volume 14 Issue 6

Publisher: Kluwer Academic Publishers

Full text available:  [Pdf](#) (777.06 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 240, Downloads (Since Publication): 240

Nowadays Wi-Fi is the most mature technology for wireless-Internet access. With the increasing diffusion of Wi-Fi hotspots, energy limitations of mobile devices become a critical issue. The standard 802.11 includes a power-saving mode (PSM) to reduce the energy consumption of the devices.

Keywords: 802.11, Wi-Fi, mobile computing, network architecture & d systems, power-saving mode

7 [Virtual operator based AAA in wireless LAN hot spots with ad-hoc ne](#)

 [Junbiao Zhang, Jun Li, Stephen Weinstein, Nan Tu](#)

June 2002 **SIGMOBILE Mobile Computing and Communications Rev**

Publisher: ACM


Full text available:  Pdf (180.11 KB)

Additional Information: [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 43, Downloa

Sound and effective authentication, authorization and accounting (AAA) mobile wireless accesses are of great importance given the increased po public wireless LAN hot spots. One ...

8 [mango: low-cost, scalable delivery of rich content on mobiles](#)

 [Ankur Jain, Sharad Jaiswal, Anirban Majumder, Naidu K V M, Girija Narlikar Poosala](#)

August 2009 **MobiHeld '09: Proceedings of the 1st ACM workshop on Netw mobile handhelds**

Publisher: ACM

Full text available:  Pdf (444.62 KB)


Additional Information: [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 68, Downlo

We present mango, a low-cost and highly scalable content-delivery serv targeted at emerging countries such as India where users are highly pri demand for rich media content. ...

Keywords: CDN, mobile applications

9 [When to use a compilation service?](#)

 [Jeffrey Palm, Han Lee, Amer Diwan, J. Eliot B. Moss](#)

July 2002 **LCTES/ SCOPES '02: Proceedings of the joint conference on I embedded systems: software and compilers for embedded sys**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (365.49 KB)

Additional Information: [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 15, Downloa

Modern handheld computers are certainly capable of running general pu machines. However, short battery life rather than computational capabi handheld computers. This paper considers ...



Keywords: Java, distributed compilation, energy efficient compilation

Also published in:

July 2002 **SIGPLAN Notices** Volume 37 Issue 7




10 [A social framework for content distribution in mobile transient networ](#)

[Benjamin Molina, Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve](#)




-  June 2008 **UPGRADE '08**: Proceedings of the third international workshop on development of content networks
Publisher: ACM
 Full text available:  Pdf (256.67 KB) Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 89, Downloads (All Time): 123

Transient networks are spontaneous networks that appear for a short period of time to support services such as connectivity and content distribution among a small community of users, becoming multimodal by nature providing ...

Keywords: distributed and mobile transient network, intelligent agents, peer-to-peer, social network, web semantic




- 11** [Improving TCP performance over wireless networks with collaborative caching](#)
 Kyu-Han Kim, Kang G. Shin
 June 2005 **MobiSys '05**: Proceedings of the 3rd international conference on mobile systems, services, and applications
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (1.01 MB) Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 80, Downloads (All Time): 123

Multi-homed mobile hosts situated in physical proximity may spontaneously form ad-hoc applications by pooling their low wireless wide-area network (WWAN) bandwidth with a remote application server and utilizing ...

- 12** [Proxy data transfer system with a stable control channel and dynamic bandwidth allocation](#)
 Akira Nagata, Shinya Yamamura, Masato Uchida, Masato Tsuru
 September 2008 **CHANTS '08**: Proceedings of the third ACM workshop on Challenged Networks
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (331.52 KB) Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 15, Downloads (All Time): 16

The present paper introduces the Proxy Data Transfer system, which enables data transfer over long delays and leaky or frequently disconnecting networks (referred to as "challenged environment"), in which traditional ...

Keywords: challenged network, control channel, dtn, satellite link


- 13** [Ditto: a system for opportunistic caching in multi-hop wireless networks](#)
 Fahad R. Dogar, Amar Phanishayee, Himabindu Pucha, Olatunji Ruwase, D. S. R. Prasad
 September 2008 **MobiCom '08**: Proceedings of the 14th ACM international conference on mobile computing and networking
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (1.46 MB) Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 176, Downloads (All Time): 205

This paper presents the design, implementation, and evaluation of Ditto, a system that uses overheard data to improve subsequent transfer throughput in wireless networks.


have been proposed as a way to provide ...

Keywords: mesh networks, multi-hop wireless networks, opportunistic

14 [Performance OpenGL: platform independent techniques](#)

 [Bob Kuehne, Tom True, Alan Commike, Dave Shreiner](#)
July 2005 **SIGGRAPH '05: SIGGRAPH 2005 Courses**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (3.76 MB)

Additional Information: [full citation](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 134, Downl

15 [Replication for web hosting systems](#)

 [Swaminathan Sivasubramanian, Michal Szymaniak, Guillaume Pierre, Maar](#)
September 2004 **Computing Surveys (CSUR)**, Volume 36 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (374.99 KB)


Additional Information: [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 282, Downl

Replication is a well-known technique to improve the accessibility of We
latencies and increases a site's availability. However, applying replicatio
Content Delivery Networks ...

Keywords: Web replication, content delivery networks

16 [UniWireless: a distributed open access network](#)

 [Danilo Severina, Mauro Brunato, Alessandro Ordine, Luca Veltri](#)
September 2006 **WMASH '06: Proceedings of the 4th international workshc**
services on WLAN hotspots

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (272.06 KB)


Additional Information: [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 31, Downloa

In this paper we describe the UniWireless framework, a nationwide distr
different research units collaborating in the TWELVE national project. Th
the collection of involved hotspots, ...

Keywords: access gateways, authentication, authorization, open acces

17 [Using graphic turing tests to counter automated DDoS attacks again](#)

 [William G. Morein, Angelos Stavrou, Debra L. Cook, Angelos D. Keromytis,](#)
October 2003 **CCS '03: Proceedings of the 10th ACM conference on Compu**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (256.83 KB)

Additional Information: [full citation](#), [abstra](#)


Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 85, Downloa

We present WebSOS, a novel overlay-based architecture that provides g
targeted by a denial of service (DoS) attack. Our approach exploits two

environment: its design around a human-centric ...

Keywords: Java, graphic turing tests, web proxies

18 [MaJaB: improving resource management for web-based applications:](#)

 [Du Li, Manish Anand](#)

June 2009 **MobiSys '09:** Proceedings of the 7th international conference services

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (639.16 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 36, Downloads (12 Months): 396, Downloads (24 Months): 412

The Web has become the host platform for interactive and collaborative multiple Web services. This transition is pushing the browsers to perform better resource utilization. ...

Keywords: ajax, collaborative systems, middleware, mobile phone, mobile optimization, resource management, web 2.0, web os

19 [Distributed content delivery using load-aware network coordinates](#)

 [Nicholas Ball, Peter Pietzuch](#)

December 2008 **CoNEXT '08:** Proceedings of the 2008 ACM CoNEXT Conference

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (358.47 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 63, Downloads (24 Months): 78


To scale to millions of Internet users with good performance, content delivery requests between content servers while assigning clients to nearby servers. CDN design that associates synthetic ...

20 [Scalable dissemination: what's hot and what's not](#)

 [Jonathan Beaver, Nicholas Morsillo, Kirk Pruhs, Panos K. Chrysanthakis, Vincenzo](#)

June 2004 **WebDB '04:** Proceedings of the 7th International Workshop on Data Management for Web Applications with ACM SIGMOD/PODS 2004

Publisher: ACM

Full text available:  [Pdf](#) (314.87 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 12, Downloads (24 Months): 15

A major problem in web database applications and on the Internet in general is the problem of data replication. One proposed solution for this problem is a hybrid system that uses multiple popular data, and reserves traditional ...

R

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